$\begin{array}{c} \textbf{Math 1513 - College Algebra} \\ \textbf{\tiny Quiz} \ \#13 \ \textbf{-} \ \textbf{2011.09.29} \end{array}$

Name	

1. What is the relationship between synthetic division and the roots of a polynomial?

2. Compute the vertex of the parabola $p(x) = -5x^2 + 6x - 3$.